

REDACTED

----- Forwarded by Leon Zavodnik/BASF-CATALYSTS/BASF on 11/16/2016 08:04 PM -----

From: Justin Quach/NA/BASF
To: John Bodmann/BASF-CATALYSTS/BASF@BASF, William Grodecki/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF
Cc: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Noemi Trent/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Stefan J Niewiadomski/BASF-CATALYSTS/BASF@BASF
Date: 10/28/2014 05:06 PM
Subject: Building 9 PK Blender Batch Sheets

All,

The building 9 dust collector is now running at a higher RPM, has half of the bags inside, and is running around 3.6" H2O. This is with one of the unused ports open on the main ductwork to help pull in extra air. I know we've already had a safety meeting presentation about it, but **please make sure if you have any product running on the PK that your batch sheet reflects the importance of checking the gauges before making a batch.**


For instance, here is my batch sheet for AI-3915 pillmix. There is a note at the top about checking the dust collector gauges before making each batch, as well as a field below to fill in the differential pressure for each batch. This should help to ensure they are checking this on a batch by batch basis. Thanks

AI-3915 PillMix Blend Sheet(56216504)

Check digital dust collector differential pressure gauge before making a batch. must be between 3-5" H₂O to run. If it is high, make sure the red blowdown on the analogue gauge are set at 4" and 5". If it is low, check for plugging lines, especially on the discharge end.

- 1) Charge PK Blender with the following ingredients in THIS ORDER only.

Sterotex and graphite should be combined in same bag using the building 9 S system before making a batch. Screen enough for one batch and then mix it. If sterotex sits it can get clumpy

2205	lbs of Catapal B	53685
154	lbs of 'Screened Sterotex w/ Graphite'	
	110 lbs of screened Sterotex	57459
	44 lbs graphite	57403

****Graphite and Sterotex will be COMBINED in supersacks already. Consume 110 lbs of sterotex and 44 lbs of graphite per batch.**

- 2) Mix in PK for 30 minutes. Do NOT cut the mix time short! Having trouble with pillmix

- 3) Unload into supersack number 67004947(#112)

Fit as much into one bag as you can.

Label: AI-3915 Pill Mix(56216504)

Please also write the date on each bag of pillmix that comes off

Date/Shift	Catapal B(53685118)			Sterotex(57459301) + Graphite(57403333)	Dust Differen
Operator	Lot No.	Supersack #	Qty (lb)	Qty (lb)	

Regards,

Justin Quach

Process Engineer - Catalysts

Phone: 440-329-2501, Mobile: 440-822-9800, Fax: 440-329-2403, E-Mail: Justin.Quach@basf.com

Postal Address: Catalysts Division, BASF Corporation, 120 Pine St, Elyria, OH 44035

BASF Corporation - The Chemical Company

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From: Justin Quach/NA/BASF
To: Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Stefan J Niewiadomski/BASF-CATALYSTS/BASF@BASF
Cc: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Date: 10/23/2014 03:15 PM
Subject: PK Blender Dust Collector Bags

All,

Checked the building 9 dust collector today, it is staying in the correct range, but having to blowdown every minute or so. Whenever we get a free day or two, lets shoot to put two rows of bags back into the dust collector. That will help bring the dP down a bit so it doesn't have to blowdown as often. It's a trial and error sort of thing, so two rows may not be enough, but seeing as it is already in the correct range, it can only help. Thanks

Regards,

Justin Quach
Process Engineer - Catalysts

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From: Dean R Gadoury/NA/BASF
To: Justin Quach/NA/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Michael Baron/BASF-CATALYSTS/BASF@BASF, Noemi Trent/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Tim Anglin/EB-NAFTA/BASF@BASF, William Grodecki/NA/BASF@BASF, Sandy Kowaleski/NA/BASF
Date: 10/22/2014 01:14 PM
Subject: Re: PK Blender Dust Collector - Update

Nice job! These are the kinds of focused engineering solutions we need.

Regards,
Dean Gadoury
EHS Team Leader Central Hub

Phone: 440-329-2553, Mobile: 919-685-7267, Fax: 440-323-2430, E-Mail: dean.gadoury@basf.com
Postal Address: 120 Pine St., P.O. Box 4017, Elyria, OH 44036-2017

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Justin Quach---10/22/2014 12:56:29 PM---All, We replaced the sheaves on the PK blender dust collector blower today to try and increase the d

From: Justin Quach/NA/BASF
To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Cc: Michael Baron/BASF-CATALYSTS/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF, William Grodecki/NA/BASF@BASF, Noemi Trent/BASF-CATALYSTS/BASF@BASF, Dean R Gadoury/NA/BASF@BASF, Tim Anglin/EB-NAFTA/BASF@BASF, Art Hribar/BASF-CATALYSTS/BASF@BASF
Date: 10/22/2014 12:56 PM
Subject: PK Blender Dust Collector - Update

All,

We replaced the sheaves on the PK blender dust collector blower today to try and increase the differential pressure on the collector to stay within Title V ranges more consistently. We were previously running 1800 RPM and are now at 2900 RPM (design is 3600 RPM). The fan is not too loud, and we are now at **4.5" H₂O differential (range is 3-5")**. This is with both blank ports that were previously open now closed to original design. We should now be good to run without worry of dropping too low out of range. We'll line the blowdown air back up and set it to blowdown at 5" H₂O to ensure we don't go high out of the range also. Thanks

Regards,

Justin Quach

Process Engineer - Catalysts

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Postal Address: Catalysts Division, BASF Corporation, 120 Pine St, Elyria, OH 44035

BASF Corporation - The Chemical Company

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From: Justin Quach/NA/BASF
To: Dennis Lucas/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Cc: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Date: 10/08/2014 01:14 PM
Subject: pk blender

All,

PK blender dust collector is now ready to run, it is at 3.11" H₂O. After spending 4+ hours cleaning out all of the lines and getting nowhere, I sucked up more powder manually into the collector and easily brought it back up from 2.5 to 3.1. It is very apparent that one or several of the operators are still blowing down the collector manually, even after I put up the sign on the gauge specifically stating not to. I've closed the air line for the blowdown for now, it will not affect us at all as it is set to blow down at 5" H₂O and we can't even get to 4 in the current configuration. Once we install the new sheaves we can open it back up.

Thanks

Regards,

Justin Quach
Process Engineer - Catalysts

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Date: 09/29/2014 11:23 AM
Subject: Bld 9 PK Blender Dust Collector Update

All,

The dP on the collector is now right at 3.0" H₂O. Please go ahead and finish the remaining pillmix batches, making some more batches should increase it a bit more also. Please make sure we do NOT blow down the dust collector manually, this is going the wrong way on the gauge and will not help us, I put a note on the analogue gauge upstairs warning of this. Thanks

Regards,

Justin Quach
Process Engineer - Catalysts

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To: Justin Quach/NA/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 01:02 PM
Subject: Re: Interesting Friday night

I know. That is the confusing part.

Justin Quach--09/28/2014 10:22:17 AM--Understood, but if they haven't been blown down then the selexsorb should still be on the bags, even

From: Justin Quach/NA/BASF
To: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 10:22 AM
Subject: Re: Interesting Friday night

Understood, but if they haven't been blown down then the selexsorb should still be on the bags, even with switching to the pillmix. Plus the dP was in range before the selexsorb run. As long as the two ports are still open and all the slidegates are open we should be ok. Ill take a look tomorrow if we can't figure it out

Regards,

Justin Quach
Process Engineer - BASF Catalysts

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Sent from my Blackberry

Terrence M Vanderbosch---09/28/2014 04:04 PM CEDT---Yes, I checked. Without disassembling the entire dust collector line and e-mailing a dozen pictures,

From: Terrence M Vanderbosch
To: Justin Quach
Cc: Art Hribar; Dennis Lucas; John Bodmann; Kristen Kaput; Leon Zavodnik; Robert Scoggins; William Grodecki
Date: 09/28/2014 04:04 PM CEDT
Subject: Re: interesting Friday night

Yes, I checked. Without disassembling the entire dust collector line and e-mailing a dozen pictures, both sides are clear and getting suction as well as the horizontal line and port. I wouldn't get too excited about something Brian said has happened in the past. There has only been two people who have been around the PK between the Selexorb and the pill mix. Nick Deconcini, who ran the pill mix batches(I don't even think he would think to go up there and blow down the dust collector manually, but I can ask him if he knows how). The other is Brian Beller himself, who cleaned it for the pill mix.

Justin Quach---09/28/2014 09:39:00 AM---Were both sides of the dust collection checked? They should be checked from up on the ladder and loo

From: Justin Quach/NA/BASF
To: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 09:39 AM
Subject: Re: interesting Friday night

Were both sides of the dust collection checked? They should be checked from up on the ladder and looked from the top down too, the material can pack in the ductwork too. We had the dP up above 3 before we started the selexsorb run, so I don't believe this is the exact cause. Now if they blew down the bags manually that would be a problem, I literally had to suck up gallons of powder from the drop drum to help coat the bags, which would be hurt if we blew them down.

Regards,

Justin Quach
Process Engineer - BASF Catalysts

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Email: Justin.Quach@BASF.com

Sent from my Blackberry

Terrence M Vanderbosch---09/28/2014 03:33 PM CEDT--- Although the dust collection set up and clean out port is an issue and needs to be redesigned, it

From: Terrence M Vanderbosch
To: Justin Quach
Cc: Art Hribar; Dennis Lucas; John Bodmann; Kristen Kaput; Leon Zavodnik; Robert Scoggins; William Grodecki
Date: 09/28/2014 03:33 PM CEDT
Subject: Re: interesting Friday night

1 attachment

[attachment "20140928_091706.jpeg" deleted by Terrence M Vanderbosch/BASF-CATALYSTS/BASF]

1 attachment

[attachment "20140928_092051.jpeg" deleted by Terrence M Vanderbosch/BASF-CATALYSTS/BASF]

Although the dust collection set up and clean out port is an issue and needs to be redesigned, it is not currently the issue. I think that it is likely that we were in range when we had the sticky Selexorb coating the bags.

Now that we are running the much dryer and finer pill mix we are not being aided in that fashion. My two cents.

Justin Quach---09/28/2014 08:59:05 AM---Ok we can try that. I was planning on relocating the dust collection ports though, which should keep

From: Justin Quach/NA/BASF

To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF

Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF

Date: 09/28/2014 08:59 AM

Subject: Re: Interesting Friday night

Ok we can try that. I was planning on relocating the dust collection ports though, which should keep us in the range and avoid dropping low.

Regards,

Justin Quach

Process Engineer - BASF Catalysts

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Leon Zavodnik---09/28/2014 02:55 PM CEDT---Ok thanks. Justin..we should investigate a minor sheave change as it appears we will keep staying to

From: Leon Zavodnik

To: Terrence Vanderbosch

Cc: Art Hribar; Dennis Lucas; John Bodmann; Justin Quach; Kristen Kaput; Robert Scoggins; William Grodecki

Date: 09/28/2014 02:55 PM CEDT

Subject: Re: Interesting Friday night

Ok thanks.

Justin..we should investigate a minor sheave change as it appears we will keep staying toward the low side....

Leon Zavodnik

Operations Manager

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Terrence M Vanderbosch---09/28/2014 08:44:08 AM---Going over to double check that the discharge is not plugged.

From: Terrence M Vanderbosch/BASF-CATALYSTS/BASF
To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Justin Quach/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 08:44 AM
Subject: Re: interesting Friday night

Going over to double check that the discharge is not plugged.

Leon Zavodnik---09/28/2014 08:41:56 AM---Thanks. how about the pressure drop on the PK? Any readings out of range? Leon Zavodnik Operations

From: Leon Zavodnik/BASF-CATALYSTS/BASF
To: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Justin Quach/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 08:41 AM
Subject: Re: interesting Friday night

Thanks. how about the pressure drop on the PK? Any readings out of range?

Leon Zavodnik
Operations Manager

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Terrence M Vanderbosch---09/28/2014 08:39:24 AM---Dennis is looking into the gear drives to see if they are compatible. He will not be able to do it t

From: Terrence M Vanderbosch/BASF-CATALYSTS/BASF
To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Cc: Art Hribar/BASF-CATALYSTS/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Justin Quach/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, William Grodecki/NA/BASF@BASF
Date: 09/28/2014 08:39 AM
Subject: Re: interesting Friday night

Dennis is looking into the gear drives to see if they are compatible. He will not be able to do it though as it is a big job. He thinks Gem will need to do the work.

We did three dips on the first batch. The second batch only got through 2 dips before the tank got too low. Starting a new tank this morning. Should have a sample to the lab for the tank tomorrow morning. I will have a sample taken to the lab of the first batch for a metals check.

Told Kirk he does not have to come in today as we were able to get the AMT tank into recycle. We can use a laser thermometer to watch the temperature until tomorrow.

☞ Leon Zavodnik---09/28/2014 07:38:51 AM---Can we take the drive off of 3 and put it on 1? Also would like to know how the pressure drops are

From: Leon Zavodnik/BASF-CATALYSTS/BASF
To: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Cc: John Bodmann/BASF-CATALYSTS/BASF@BASF, Justin Quach/NA/BASF@BASF, William Grodecki/NA/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Dennis Lucas/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Art Hribar/BASF-CATALYSTS/BASF@BASF
Date: 09/28/2014 07:38 AM
Subject: Re: interesting Friday night

Can we take the drive off of 3 and put it on 1? Also would like to know how the pressure drops are for the PK.

Lastly did we do three dips. On the V2045? We should check the metals since we had so many issues last time.

☞ Terrence M Vanderbosch---09/27/2014 10:50 PM CEDT--- Line #1 ran well Friday night with 4 small spacers on the die plate until 10PM when the pulva feede

From: Terrence M Vanderbosch
To: Leon Zavodnik
Cc: John Bodmann; Justin Quach; William Grodecki; Kristen Kaput; Dennis Lucas; Robert Scoggins; Art Hribar
Date: 09/27/2014 10:50 PM CEDT
Subject: interesting Friday night

Line #1 ran well Friday night with 4 small spacers on the die plate until 10PM when the pulva feeder gear drive went South. Mechanic looked at it this morning and we do not have a replacement. We are having some more die plates drilled today so when we are back up and running they won't hold us back.

#2 Running Cu 1230 since late midnight shift. So far so good.

WARNING executive decision coming up --- #3 pins sheared off of extruder on the last batch late last night. Last of that batch was drummed off. I decided when I came in this morning, since we had enough to make the order on the calciner + a few bags, that we should turn around the dryer and make the AMT tank instead of waiting for maintenance to make more pins(they would not have gotten to them this weekend), and I am suspecting bad liners on the barrel. Hope to start the first batch on the pfadler this evening.

#3 RC the coupling that drives the calciner went bad on midnight shift. Maintenance hopefully has it fixed. Bringing temps back up to finish feeding the last of the material.

New Pfadler- On midnight shift, the pump that pumps the solution into the pfadler went bad. Today on first shift maintenance replaced it. Unloading 1st batch now and starting 2nd.

#4 RC cleaning is continuing on the syntron and feed hopper end. Hope to get that feeding on midnight shift or early tomorrow.

#5 RC is back up and running. The first SA was 19. Betty made and adjustment. 2nd SA was 43. Continuing to feed.

PK Blender-midnight shift was able to get three bags of pill mix before noticing some powder coming out of the dust

collector. They shut it down. Brian Beller was able to go in and notice that 1 row of the blanks was not tightened down. They were cleaned and put back on. After starting it back up the DP was low.---On hold for now. Will check it myself later.

Horne machines should be back up and running shortly with the fresh bags of pill mix that have been settling in the hopper for a few hours now.

Towers --North screener switched over to Cu-0860 and both screeners are running as well as the harrop kiln. Tower 3 will be unloaded/reloaded shortly. Tower 6 will come down tonight around 9PM

Tunnel kiln two continues to run with the press cake that came in late yesterday. Drum resampling was completed yesterday with better results from what Bill has told us. No further adjustments needed.

So, In summary, other than #1 pulva(and possibly the PK dust collector) there is nothing that can be broken over night that we cannot fix during the day. HaHA!! Have a good day everybody.

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To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Cc: Dennis Lucas/NA/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Date: 10/05/2014 05:52 PM
Subject: Re: Plan - PK Dust collector fan

Leon,

This was from a while ago, a day after the dP was already down to 3.2. I'm having Mike Baron purchase new shieves for several different higher speeds we can try. Please take a look at those MOC's and Ill see what I can do. Thx

Regards,

Justin Quach
Process Engineer - BASF Catalysts

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Email: Justin.Quach@BASF.com

Sent from my Blackberry

Leon Zavodnik---10/05/2014 11:41 PM CEDT---We can check the size in case it's needed but let's hold on a change.
Leon Zavodnik Operations Mana

From: Leon Zavodnik
To: Justin Quach
Cc: Dennis Lucas; Robert Scoggins; Terrence Vanderbosch
Date: 10/05/2014 11:41 PM CEDT
Subject: Re: Plan - PK Dust collector fan

We can check the size in case it's needed but let's hold on a change.

Leon Zavodnik
Operations Manager

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Justin Quach---09/30/2014 01:31:23 PM---Leon, I just spoke with Mike about the PK dust collector, specifically about how high the dP was yes

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To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Cc: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Dennis Lucas/NA/BASF@BASF
Date: 09/30/2014 01:31 PM
Subject: Plan - PK Dust collector fan

Leon,

I just spoke with Mike about the PK dust collector, specifically about how high the dP was yesterday, and he told me that Tom Kurucz took off an endcap and saw there was significant blockage in the horizontal line up to the dust collector. They cleaned it out and the additional flow is why they are getting in the 3.8-4.0" H2O range on the differential pressure. Knowing this, would you still want to do a sheave change on the fan? Seeing as we are now right in the middle of the range, speeding it up may actually put us in danger of going high. Let me know what you think, thanks.

Regards,

Justin Quach
Process Engineer - Catalysts

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Cc: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF
Date: 10/02/2014 06:04 AM
Subject: Buiding 9 DC

Justin,

We had trouble with the DP on the DC in B-9. We could only manage to get it up to 2.90.
We are down on the PK at the moment.

Thank you,
Dennis K. Lucas

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Date: 09/24/2014 01:44 PM
Subject: Re: URGENT: South PK Blender Dust Collector - Title V

All,

Here is a powerpoint with pictures on what to look for on the PK blender dust collection system. I've already gone over the system in the field with Mike Vanderbosch and day shift personnel, and I will try and connect with the other shifts sometime this week hopefully. Please put these slides into your safety meeting presentations. Thanks

(See attached file: PK Blender Dust Collector.pptx)

Regards,

Justin Quach
Process Engineer - Catalysts

Phone: 440-329-2501, Mobile: 440-822-9800, Fax: 440-329-2403, E-Mail: Justin.Quach@basf.com
Postal Address: Catalysts Division, BASF Corporation, 120 Pine St, Elyria, OH 44035

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Leon Zavodnik---09/23/2014 07:30:53 PM---Justin, Please put together some slides for the safety meeting that we can cover this week. I would

From: Leon Zavodnik/BASF-CATALYSTS/BASF
To: Justin Quach/NA/BASF@BASF
Cc: Charles Evans/BASF-CATALYSTS/BASF@BASF, Dean R Gadoury/NA/BASF@BASF, Dennis Lucas/NA/BASF@BASF, John Bodmann/BASF-CATALYSTS/BASF@BASF, Kristen Kaput/NA/BASF@BASF, Noemi Trent/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Tim Anglin/EB-NAFTA/BASF@BASF, William Grodecki/NA/BASF@BASF

Date: 09/23/2014 07:30 PM
Subject: Re: URGENT: South PK Blender Dust Collector - Title V

Justin,

Please put together some slides for the safety meeting that we can cover this week. I would also like for you to discuss directly with the PK operators to help explain what needs to be done. Some face to face time along with the explanation should help.

GL's..please make the guys available to Justin to discuss.

Leon Zavodnik
Operations Manager

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Justin Quach---09/23/2014 02:22:13 PM---All, Below are pictures of what I found when checking on the south PK blender dust collector differe

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Date: 09/23/2014 02:22 PM
Subject: URGENT: South PK Blender Dust Collector - Title V

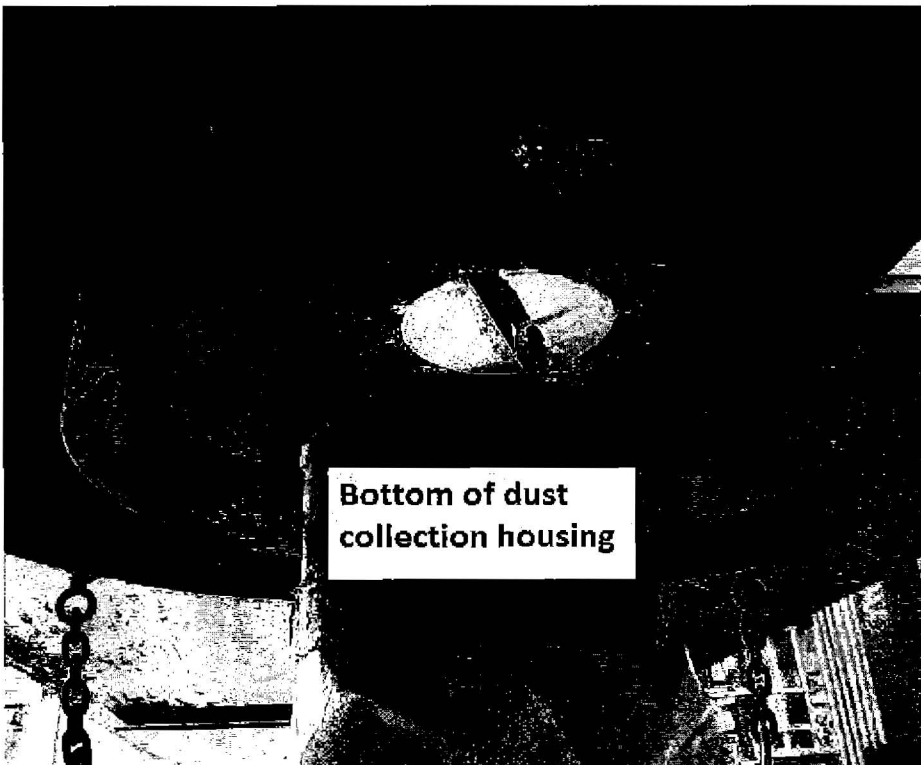
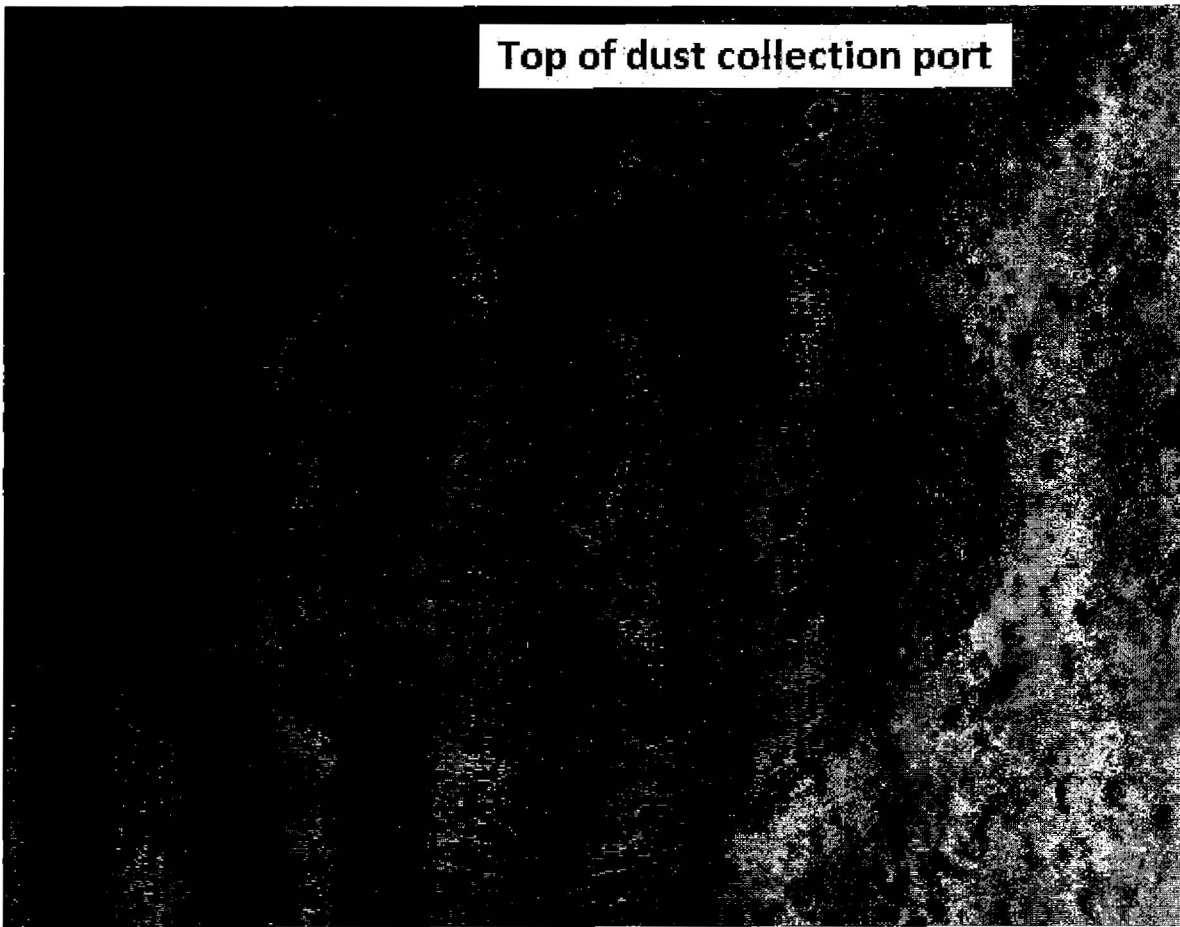
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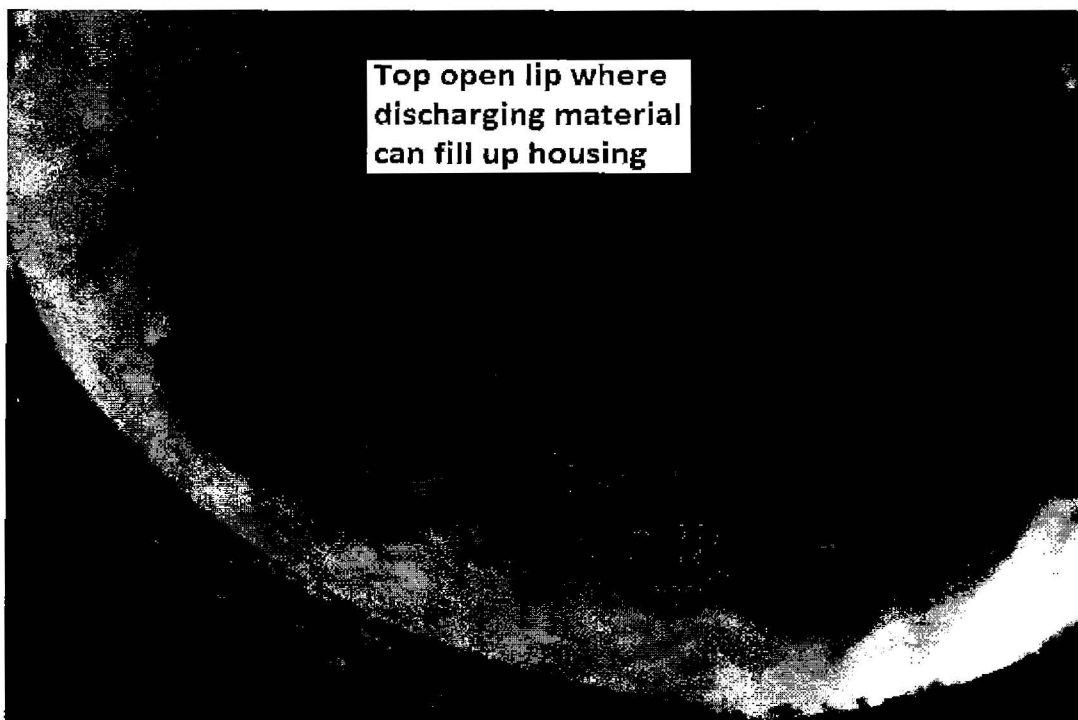
Below are pictures of what I found when checking on the south PK blender dust collector differential pressure. The dP had dropped to about 2.5" H₂O(out of 3-5" Title V range). This drop happened sometime between yesterday afternoon and this morning.

I checked both dust collection ports on the PK blender discharge and again found both of them plugged after a weekend's worth of runtime. The system itself is a double wall system where the inner chamber is for discharging powder and the outer section is for nuisance dust collection. There is just a small lip at the top of the chamber where discharging powder can overflow into the dust collection side of the chamber. This means the entire inner portion of the chamber is getting full and spilling into the dust collection side. Eventually, this spillage fills up the entire dust collection port and chokes off flow, lowering the differential pressure on the dust collector and also essentially eliminating dust collection on the discharge of the PK. The dust collector will **NOT** be within Title V ranges if these ports are blocked off with material.

The location of the dust collector ports may be moved in the future to try and avoid this from happening, but if the entire chamber fills up it makes it extremely difficult to prevent pluggage.

GL's/engineers, please make sure operators understand to unload the PK in as controlled a fashion as possible to avoid overfilling of this chamber. It is dust and difficult to clean out and will take us out of title V compliance. Please add this to the PK batch sheets and the cleaning of this chamber to the PK blender cleanout sheets. Thanks





Regards,

Justin Quach
Process Engineer - Catalysts

Phone: 440-329-2501, Mobile: 440-822-9800, Fax: 440-329-2403, E-Mail: Justin.Quach@basf.com
Postal Address: Catalysts Division, BASF Corporation, 120 Pine St, Elyria, OH 44035

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Date: 09/29/2014 04:13 PM
Subject: Sheave change PK Blender Dust Collector Fan

All,

I spoke with Mike Baron about changing the sheaves on this fan to speed it up to help our differential pressure problems. To do this, we will at some point need to shut it down and take the guarding off of the motor/fan to see what we currently have. When we cleanup for Selexsorb after making the last 9 pillmix batches would be a good opportunity to do so. Please let me know when the pillmix batches are complete and I will get Mike and myself up there to take a look. Thanks

Regards,

Justin Quach
Process Engineer - Catalysts

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Date: 09/29/2014 11:23 AM
Subject: Bld 9 PK Blender Dust Collector Update

All,

The dP on the collector is now right at 3.0" H₂O. Please go ahead and finish the remaining pillmix batches, making some more batches should increase it a bit more also. Please make sure we do NOT blow down the dust collector manually, this is going the wrong way on the gauge and will not help us, I put a note on the analogue gauge upstairs warning of this. Thanks

Regards,

Justin Quach
Process Engineer - Catalysts

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Cc: Terrence M Vanderbosch/BASF-CATALYSTS/BASF@BASF, Robert Scoggins/NA/BASF@BASF, Dennis Lucas/NA/BASF@BASF
Date: 09/30/2014 01:31 PM
Subject: Plan - PK Dust collector fan

Leon,

I just spoke with Mike about the PK dust collector, specifically about how high the dP was yesterday, and he told me that Tom Kurucz took off an endcap and saw there was significant blockage in the horizontal line up to the dust collector. They cleaned it out and the additional flow is why they are getting in the 3.8-4.0" H2O range on the differential pressure. Knowing this, would you still want to do a sheave change on the fan? Seeing as we are now right in the middle of the range, speeding it up may actually put us in danger of going high. Let me know what you think, thanks.

Regards,

Justin Quach
Process Engineer - Catalysts

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From: William D Deisenroth/BASF-CATALYSTS/BASF
To: Leon Zavodnik/BASF-CATALYSTS/BASF@BASF
Date: 09/23/2014 03:37 PM
Subject: Re: PK dust collector

Leon,

I'm good with looking into changing the sheave size / speed of the blower to get back to design. My only issue is that we (Matt, Mike, Greg or me) don't know the speed / sheave size off the top of our head, so why can't Justin go into the maintenance files and figure it out. Why is it that the process / production engineers just ask a question that we (maintenance) have to research and get an answer. Justin is an engineer and he should be able to read equipment files and figure out the design on his own.

Bill

William D. Deisenroth
Maintenance & Reliability Manager - Elyria, OH

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☛ Leon Zavodnik---09/19/2014 06:51:40 AM---Justin is working on trying to get the PK dust collector back into the Title V operating range we ha

From: Leon Zavodnik/BASF-CATALYSTS/BASF
To: William D Deisenroth/BASF-CATALYSTS/BASF@BASF, Michael Baron/BASF-CATALYSTS/BASF@BASF
Cc: Justin Quach/NA/BASF@BASF
Date: 09/19/2014 06:51 AM
Subject: PK dust collector

Justin is working on trying to get the PK dust collector back into the Title V operating range we had a number of years

ago. The pressure drop we are trying to meet is 3-5 inches across the bags. Yesterday we capped off a number of the bags and we have raised the drop but we may not have raised it enough.

I believe this collector had a sheave change a number of years ago to slow the speed down and reduce noise levels. It's likely if we increase the speed slightly we can get back up to operating range. If Justin can't get it sorted out today we will need to look at a larger sheave. Justin could use your help in sizing the sheave.

Appreciate any help you can give us. The business is pushing pretty hard to have us get back up and we are shutting Vidalia down until we get materials to them

Leon Zavodnik
Operations Manager

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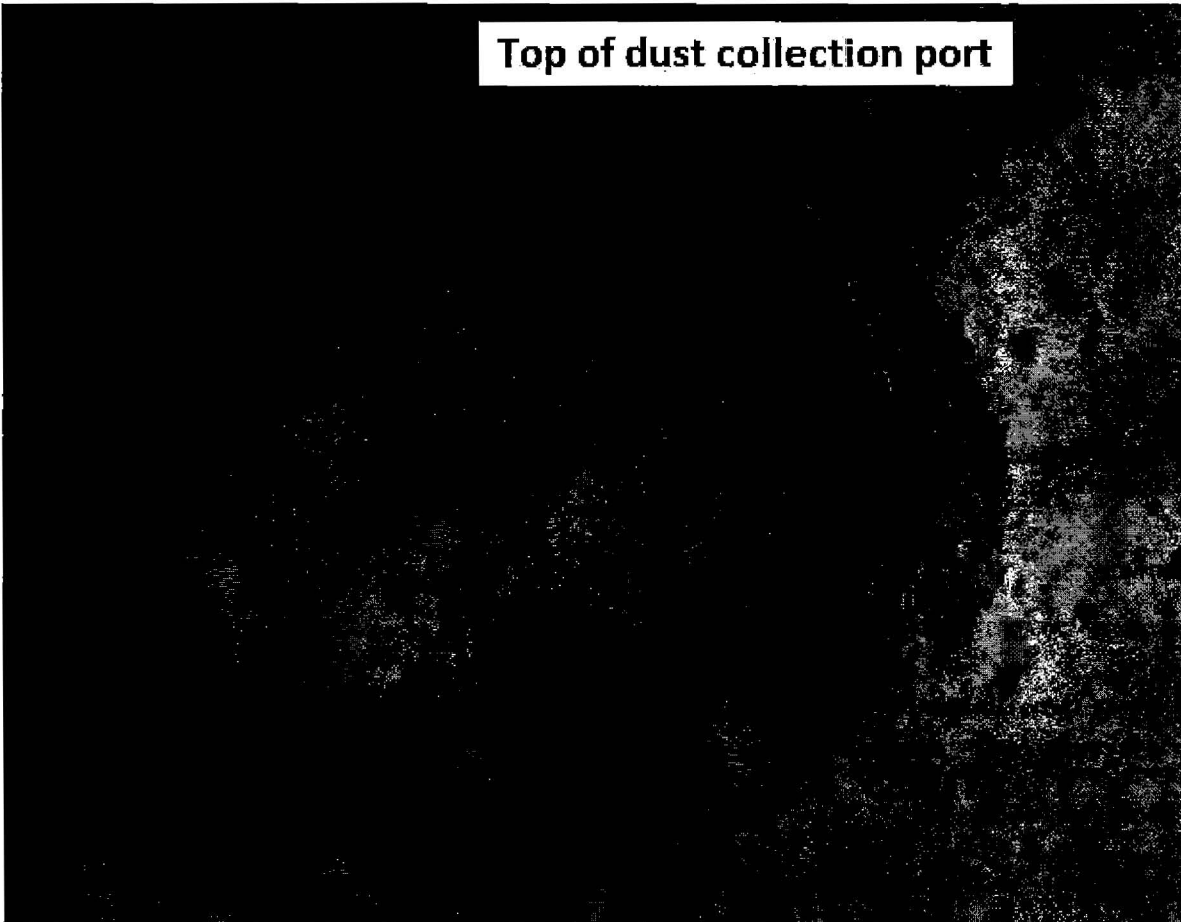
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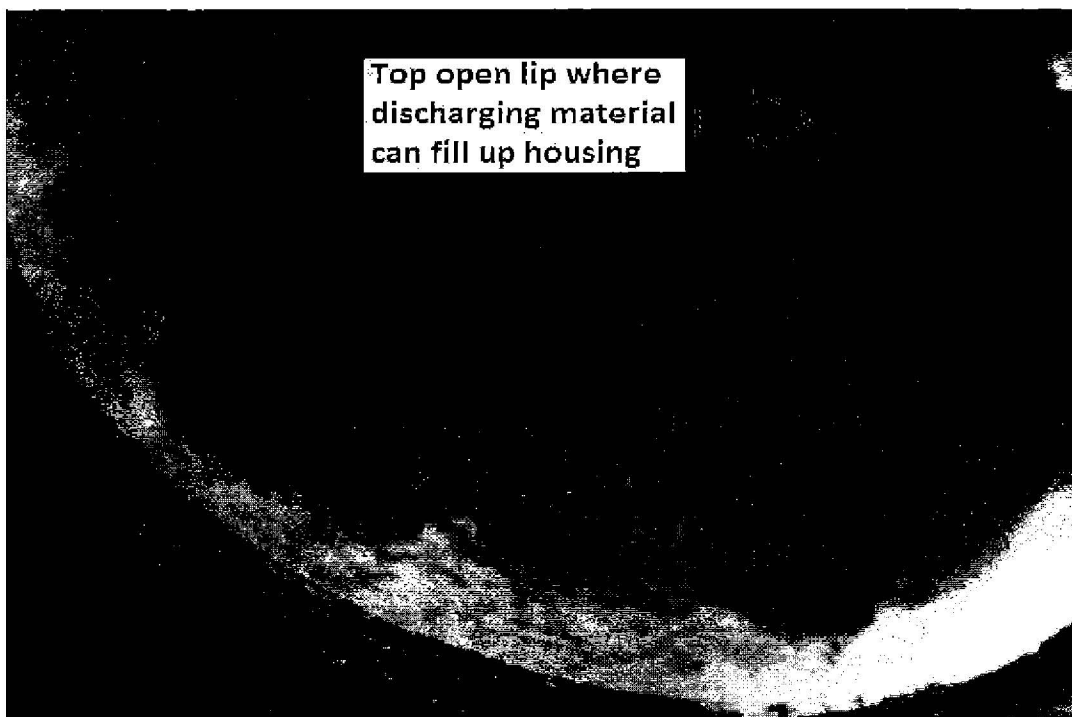
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Top of dust collection port



**Bottom of dust
collection housing**





Regards,

Justin Quach
Process Engineer - Catalysts

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